

Data File : VL034592.D
Acq On : 4 Feb 2020 23:10
Operator : SY/AP
Sample : L1358-01DL 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
1A-1DL

Quant Time: Feb 05 05:46:27 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	983897	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2013439	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2020653	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	1726314	10.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

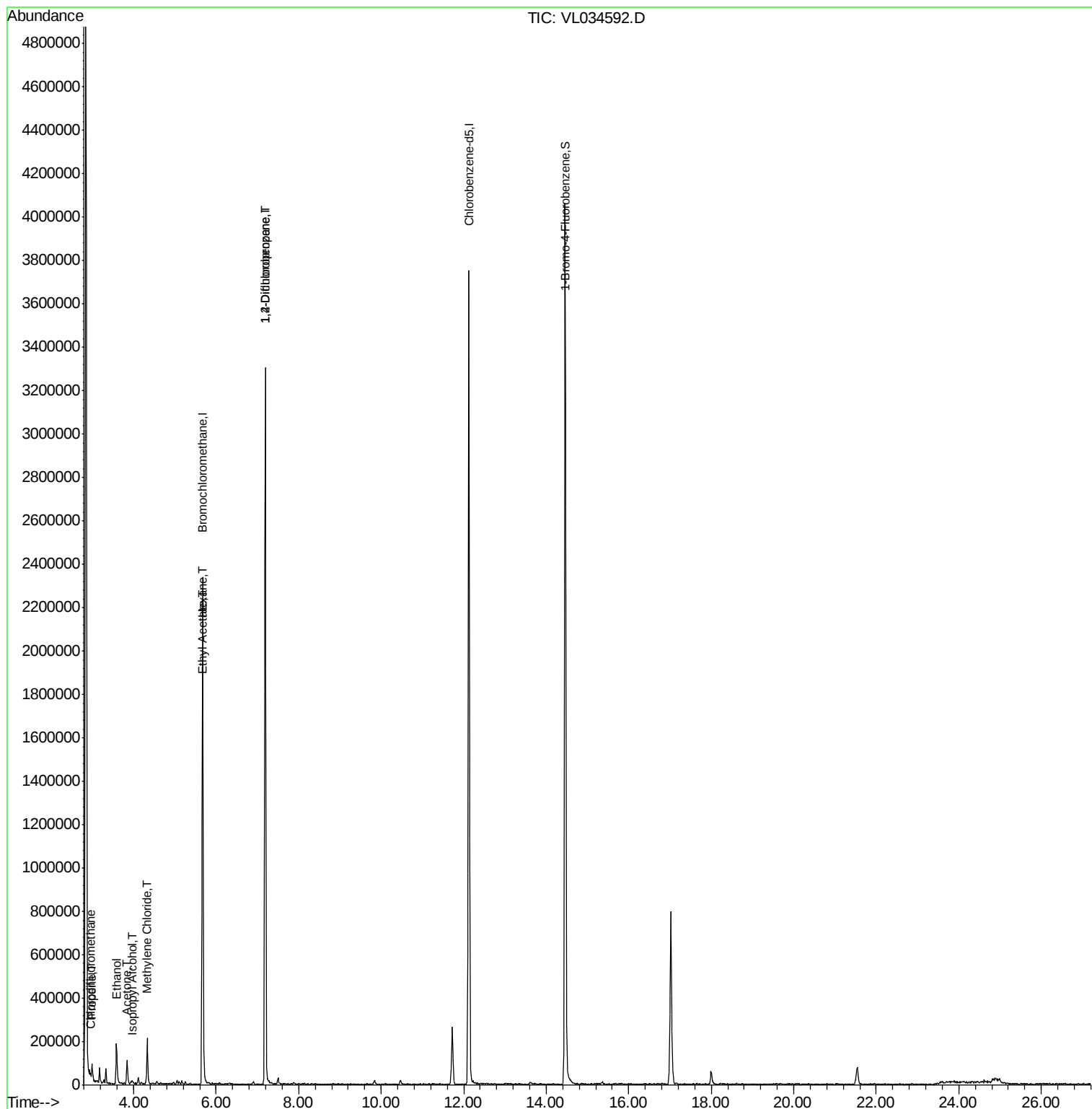
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.96	51	31106	0.262	ppbv #	78
9) Propene	2.99	41	14217	0.307	ppbv #	75
13) Ethanol	3.58	45	184330	14.867	ppbv	100
15) Acetone	3.83	43	108173	0.748	ppbv	96
19) Isopropyl Alcohol	3.97	45	5308	0.063	ppbv #	94
20) Methylene Chloride	4.33	84	65443	1.189	ppbv	96
25) Ethyl Acetate	5.69	43	24004	0.103	ppbv #	87
26) Hexane	5.68	57	29516	0.301	ppbv #	48
39) 1,2-Dichloropropane	7.19	63	597955	8.056	ppbv #	20

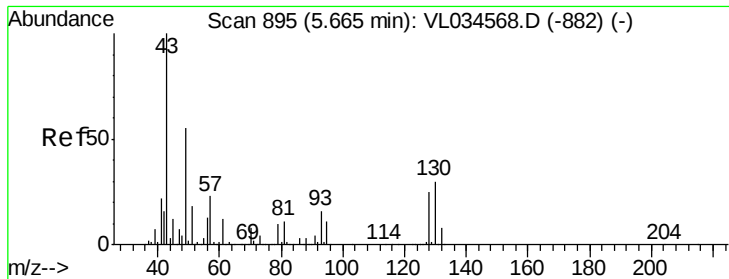
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL013020AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 17:16:44 2020
QLast Update : Thu Jan 30 17:16:44 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL034592.D

Acq: 4 Feb 2020 23:10

Instrument :

MSVOA_L

ClientSampleId :

1A-1DL

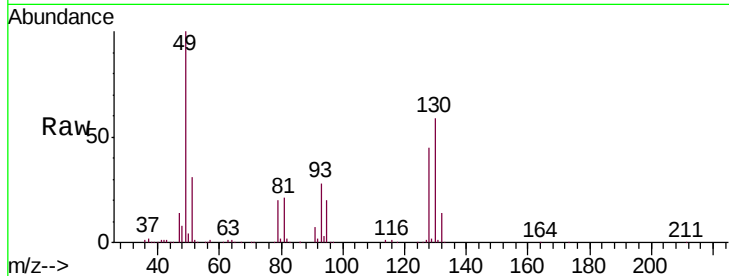
Tgt Ion: 49 Resp: 983897

Ion Ratio Lower Upper

49 100

128 45.7 22.7 68.1

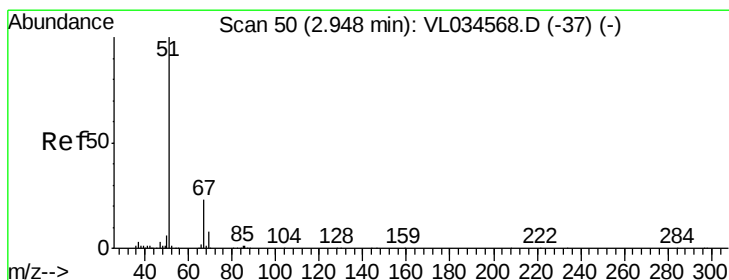
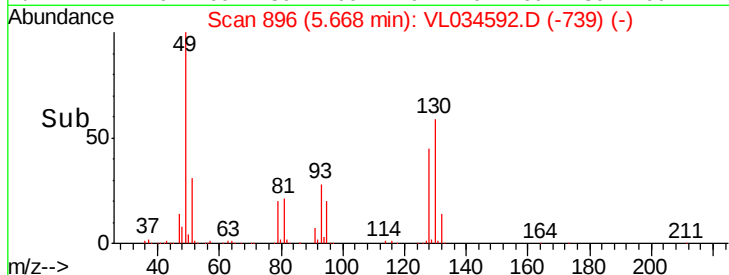
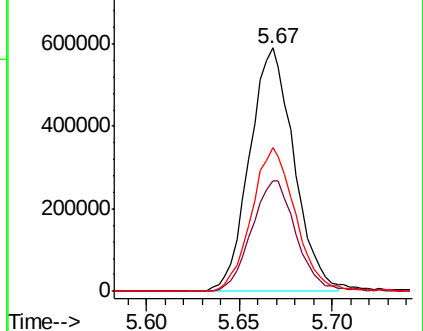
130 59.1 28.6 85.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#3

Chlorodifluoromethane

Concen: 0.262 ppbv

RT: 2.96 min Scan# 53

Delta R.T. 0.01 min

Lab File: VL034592.D

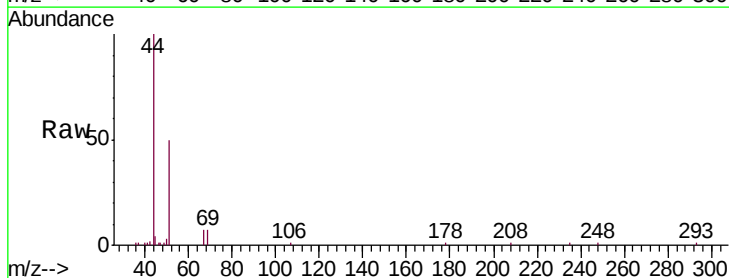
Acq: 4 Feb 2020 23:10

Tgt Ion: 51 Resp: 31106

Ion Ratio Lower Upper

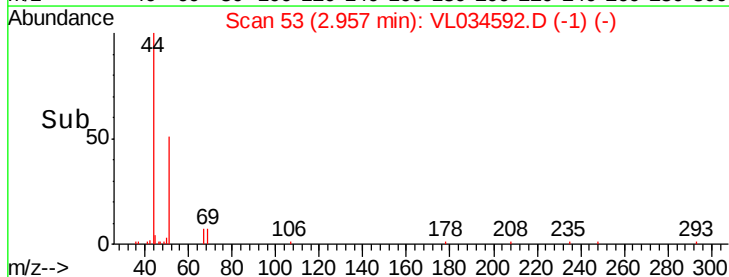
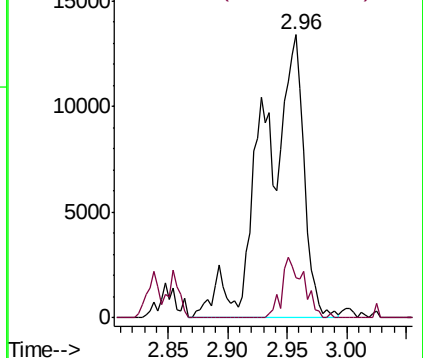
51 100

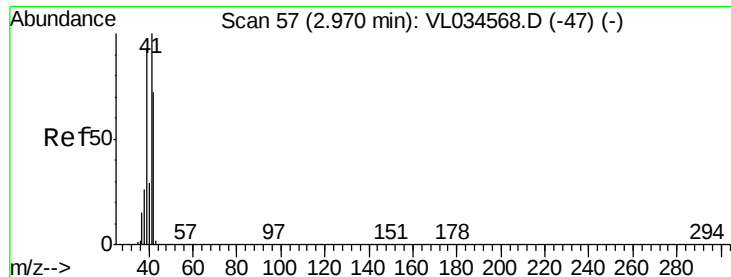
67 11.7 17.8 26.8#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.307 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.02 min

Lab File: VL034592.D

Acq: 4 Feb 2020 23:10

Instrument :

MSVOA_L

ClientSampleId :

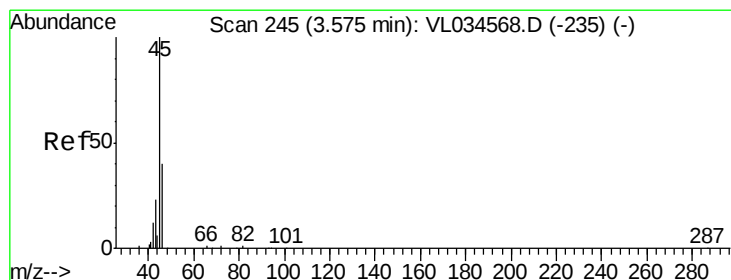
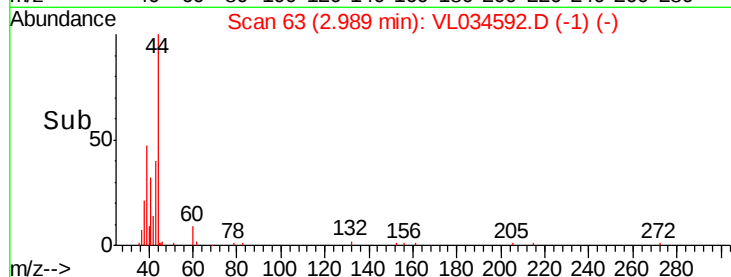
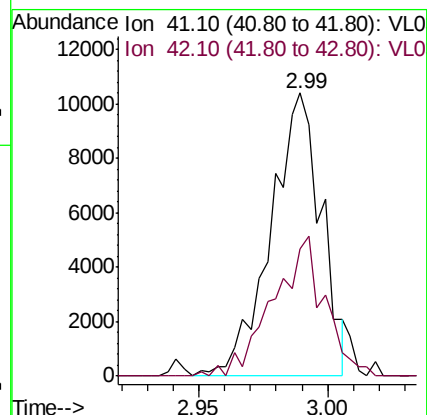
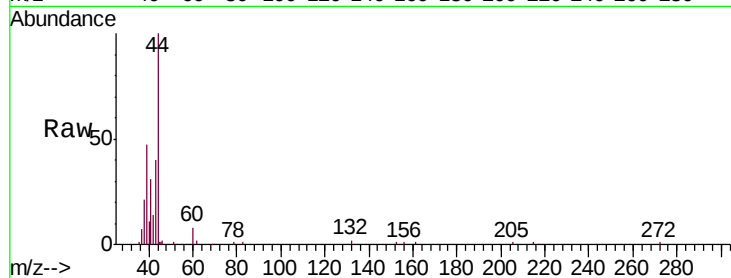
1A-1DL

Tgt Ion: 41 Resp: 14217

Ion Ratio Lower Upper

41 100

42 50.4 57.0 85.4#



#13

Ethanol

Concen: 14.867 ppbv

RT: 3.58 min Scan# 248

Delta R.T. 0.01 min

Lab File: VL034592.D

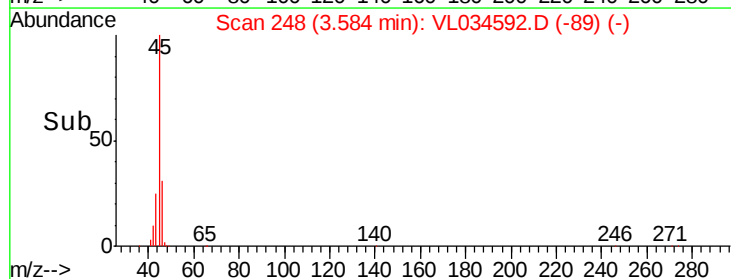
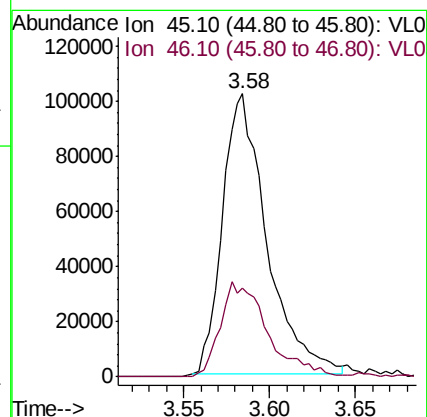
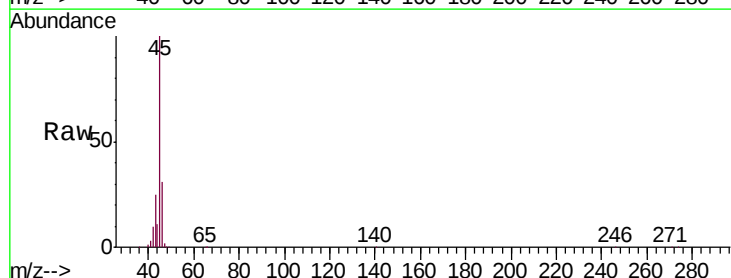
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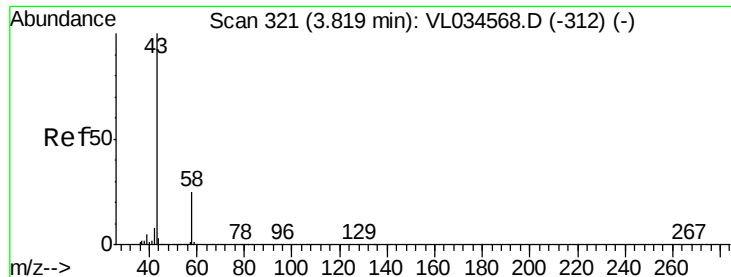
Tgt Ion: 45 Resp: 184330

Ion Ratio Lower Upper

45 100

46 36.9 14.8 59.2





#15

Acetone

Concen: 0.748 ppbv

RT: 3.83 min Scan# 325

Delta R.T. 0.01 min

Lab File: VL034592.D

Acq: 4 Feb 2020 23:10

Instrument :

MSVOA_L

ClientSampleId :

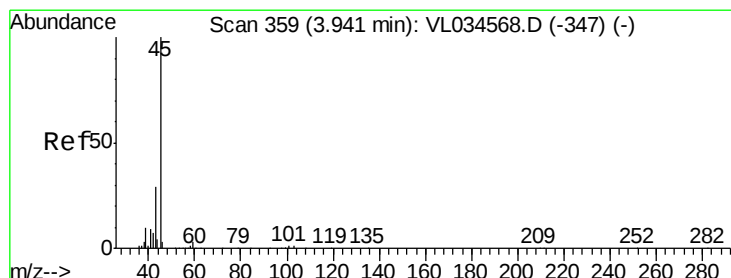
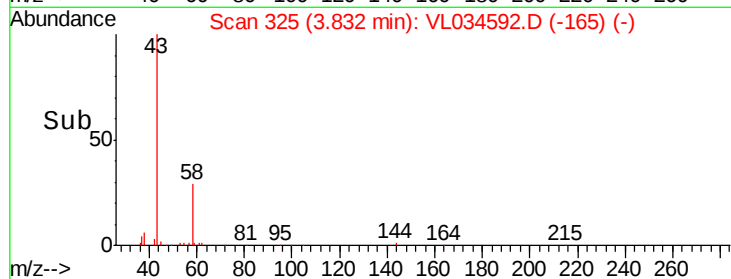
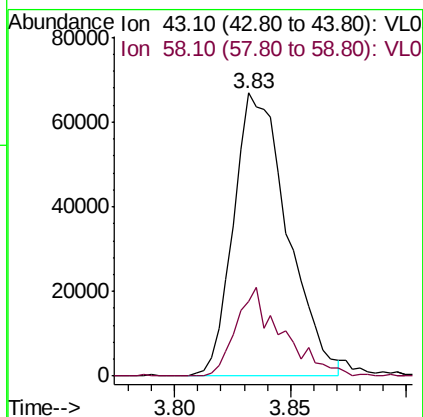
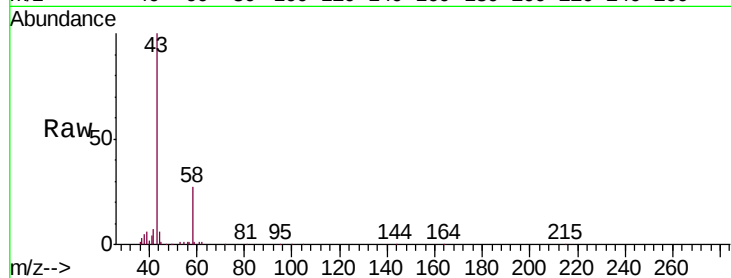
1A-1DL

Tgt Ion: 43 Resp: 108173

Ion Ratio Lower Upper

43 100

58 27.2 20.3 30.5



#19

Isopropyl Alcohol

Concen: 0.063 ppbv

RT: 3.97 min Scan# 368

Delta R.T. 0.03 min

Lab File: VL034592.D

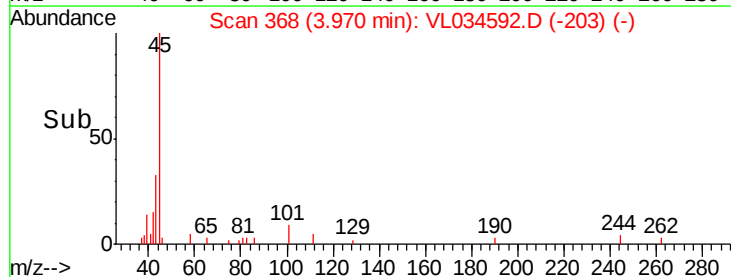
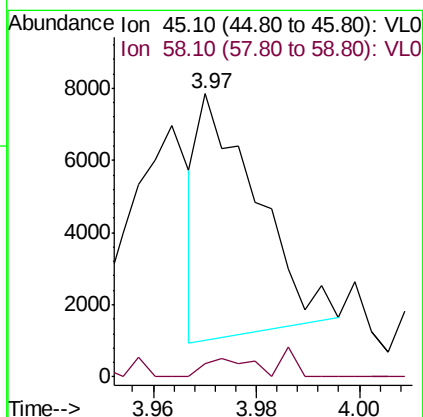
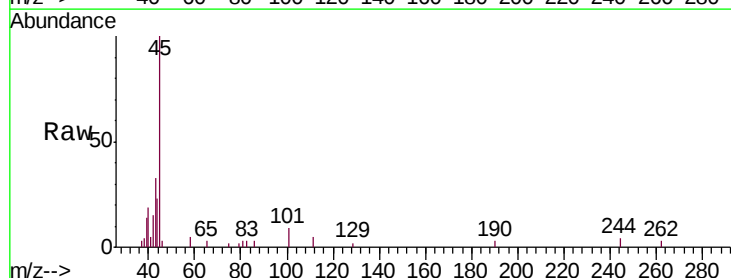
Acq: 4 Feb 2020 23:10

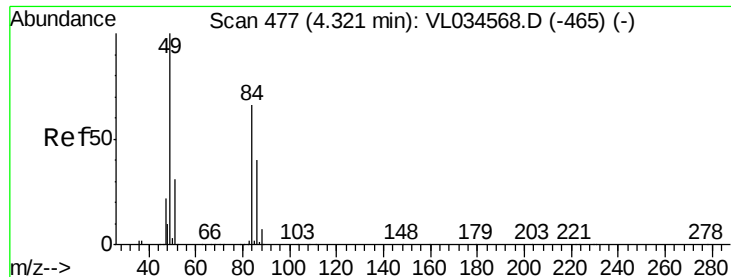
Tgt Ion: 45 Resp: 5308

Ion Ratio Lower Upper

45 100

58 0.0 1.7 2.5#

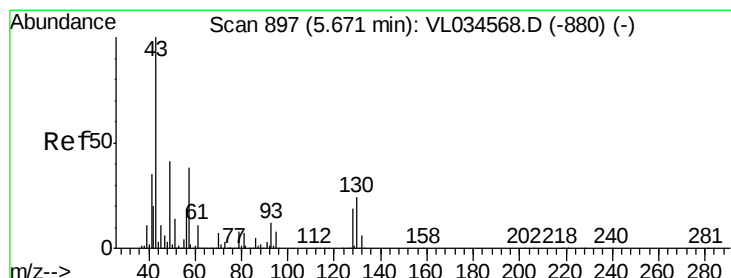
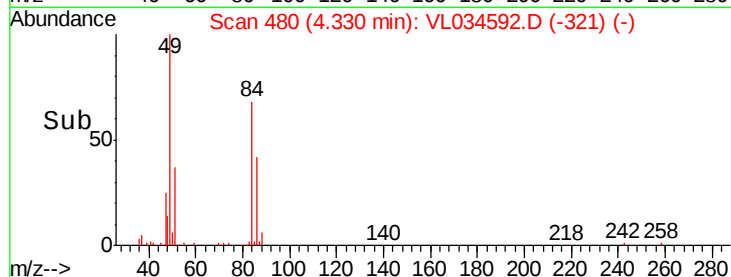
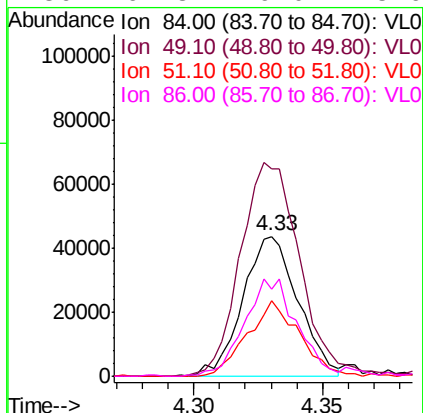
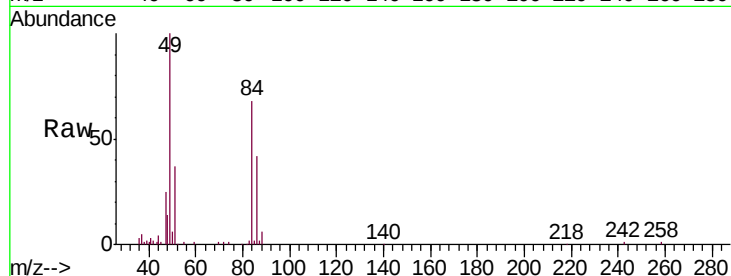




#20
Methylene Chloride
Concen: 1.189 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.01 min
Lab File: VL034592.D
Acq: 4 Feb 2020 23:10

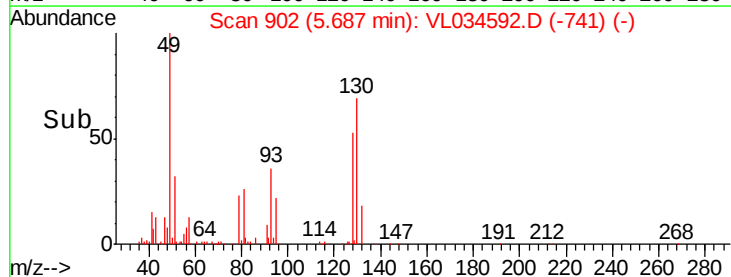
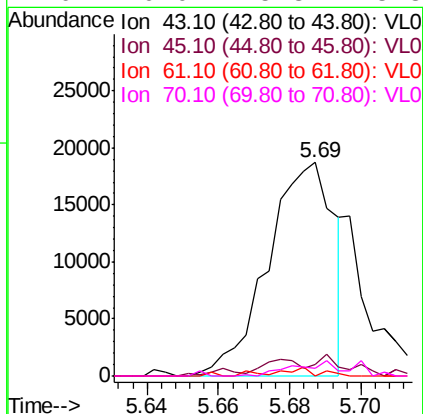
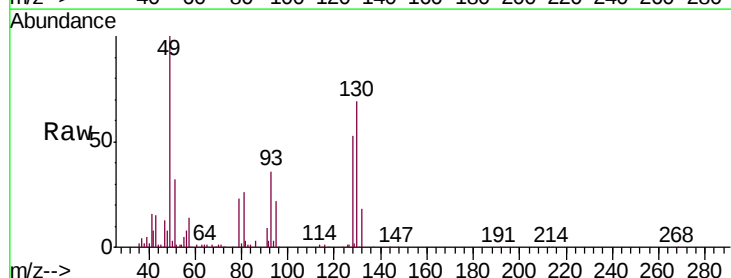
Instrument :
MSVOA_L
ClientSampled :
1A-1DL

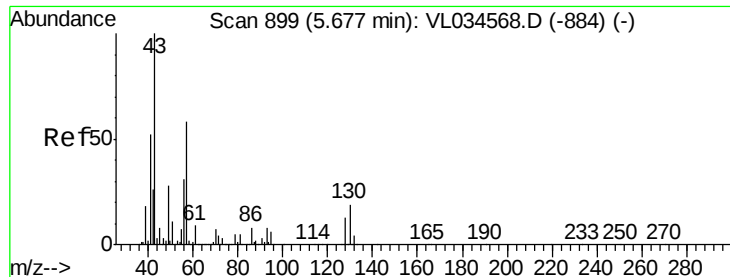
Tgt Ion: 84 Resp: 65443
Ion Ratio Lower Upper
84 100
49 147.0 122.4 183.6
51 54.0 38.6 57.8
86 61.3 49.0 73.6



#25
Ethyl Acetate
Concen: 0.103 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.02 min
Lab File: VL034592.D
Acq: 4 Feb 2020 23:10

Tgt Ion: 43 Resp: 24004
Ion Ratio Lower Upper
43 100
45 11.5 8.5 12.7
61 2.8 7.8 11.6#
70 0.0 5.8 8.8#

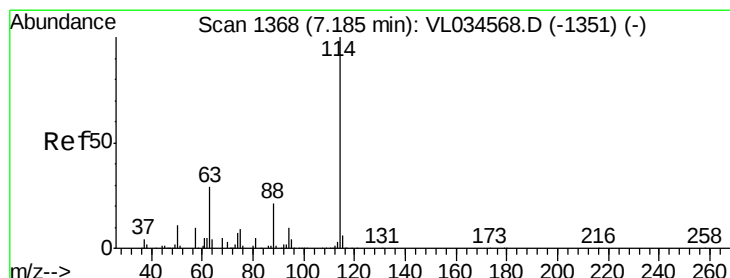
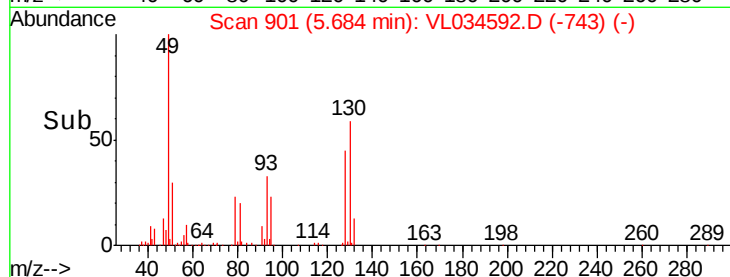
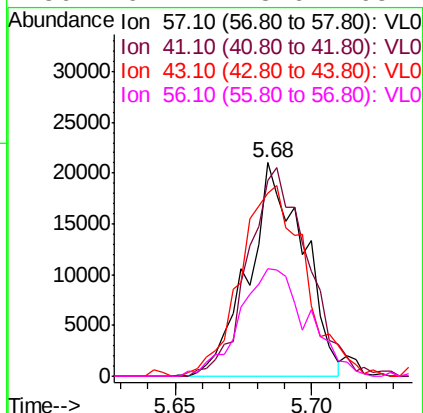
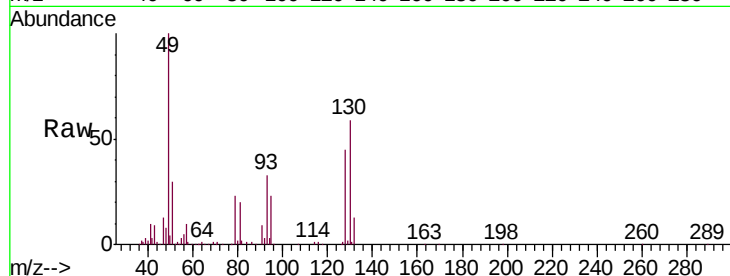




#26
Hexane
Concen: 0.301 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.01 min
Lab File: VL034592.D
Acq: 4 Feb 2020 23:10

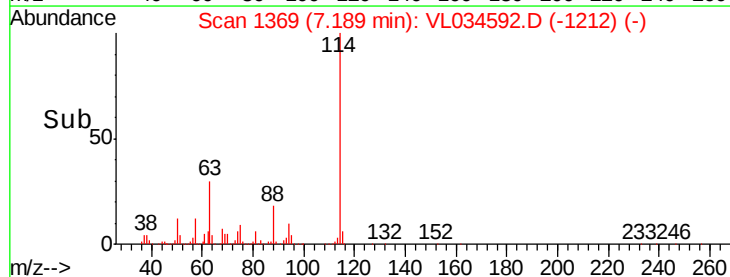
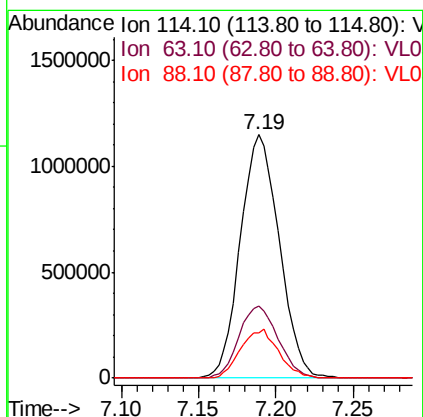
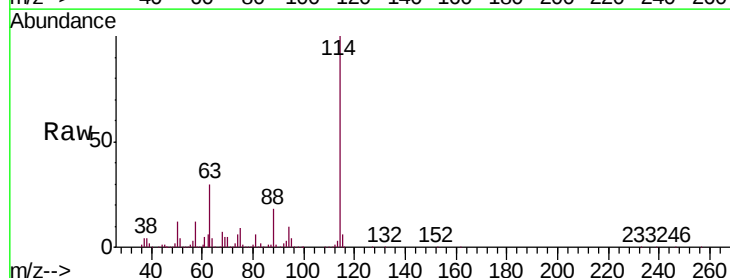
Instrument :
MSVOA_L
ClientSampleId :
1A-1DL

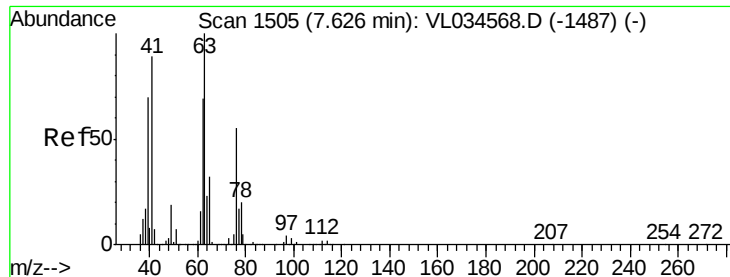
Tgt Ion: 57 Resp: 29516
Ion Ratio Lower Upper
57 100
41 106.4 76.2 114.2
43 105.5 189.9 284.9#
56 62.1 43.6 65.4



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.19 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VL034592.D
Acq: 4 Feb 2020 23:10

Tgt Ion: 114 Resp: 2013439
Ion Ratio Lower Upper
114 100
63 30.0 24.1 36.1
88 19.7 15.9 23.9

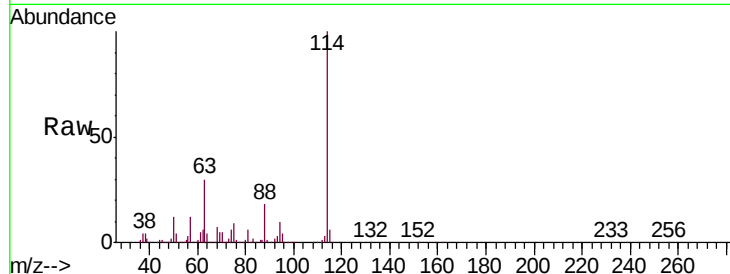




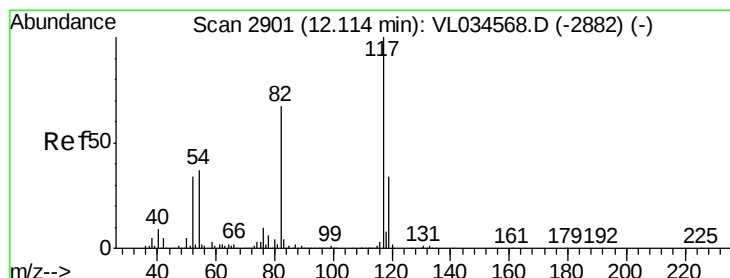
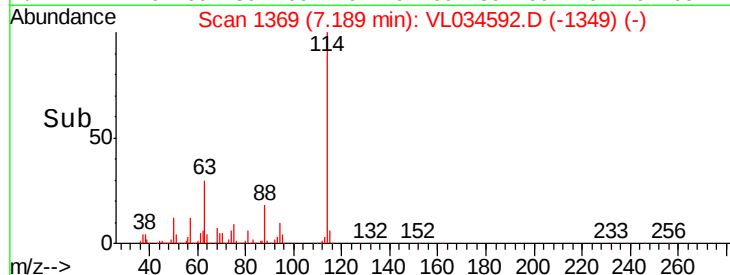
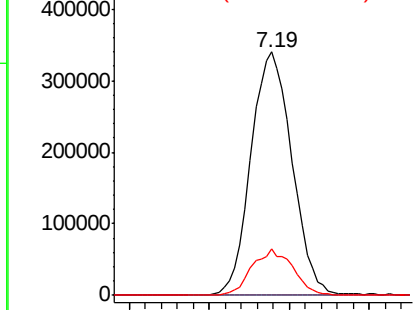
#39
 1,2-Dichloropropane
 Concen: 8.056 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. -0.44 min
 Lab File: VL034592.D
 Acq: 4 Feb 2020 23:10

Instrument :
 MSVOA_L
 ClientSampleId :
 1A-1DL

Tgt Ion: 63 Resp: 597955
 Ion Ratio Lower Upper
 63 100
 41 0.0 71.0 106.4#
 62 19.2 55.4 83.0#

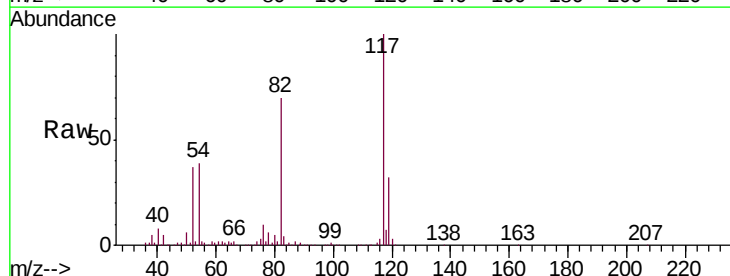


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

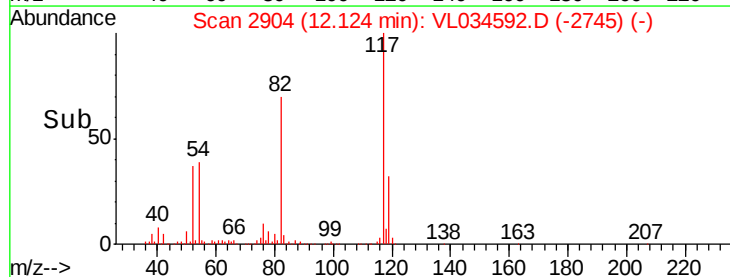
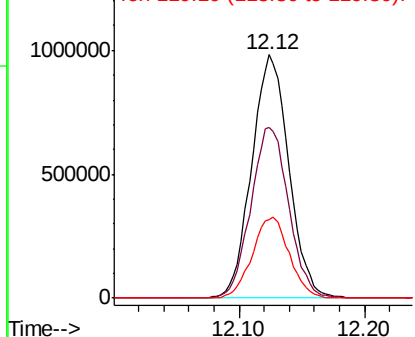


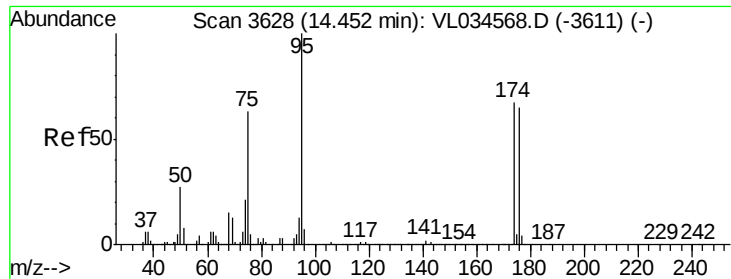
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.12 min Scan# 2904
 Delta R.T. 0.01 min
 Lab File: VL034592.D
 Acq: 4 Feb 2020 23:10

Tgt Ion: 117 Resp: 2020653
 Ion Ratio Lower Upper
 117 100
 82 72.0 54.2 81.4
 119 33.4 26.1 39.1



Abundance Ion 117.10 (116.80 to 117.80): V
 Ion 82.10 (81.80 to 82.80): VL0
 Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.109 ppbv

RT: 14.46 min Scan# 3630

Delta R.T. 0.01 min

Lab File: VL034592.D

Acq: 4 Feb 2020 23:10

Instrument :

MSVOA_L

ClientSampleId :

1A-1DL

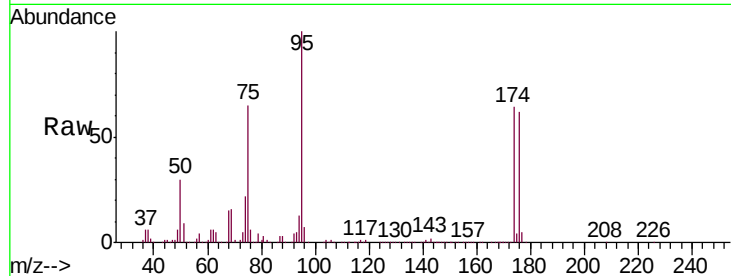
Tgt Ion: 95 Resp: 1726314

Ion Ratio Lower Upper

95 100

174 64.8 52.3 78.5

175 4.5 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

